

**In the Specification**

After page 39, please insert the following:

**In the Abstract**

The invention provides kits and methods for increasing the sensitivity of a bio-luminescent assay, which employ an organic compound that, for instance, reduces luminescence that is not dependent on the presence of an analyte by at least about 10 fold and reduces luminescence that is dependent on the presence of an analyte by less than about 7 fold, reduces luminescence generated by luminogenic molecules not bound to an enzyme by at least about 10 fold and reduces the luminescence generated by luminogenic molecules bound to an enzyme by less than about 7 fold, or reduces autoluminescence by at least about 10 fold and reduces luminescence that is dependent on the presence of an analyte by less than about 7 fold.